



Frasca Model 142 Twin Engine Simulator with optional Color Visual System

MODEL 142

TWIN ENGINE FLIGHT SIMULATOR

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The Frasca Model 142 is best described by the word versatile. Originally designed to support the requirements of advanced collegiate flight training, the 142 handling and performance characteristics are similar to that of a typical light, twin engine general aviation airplane. But, since the 142 uses the same Computer Generated Simulation as all 140/240 model simulators, it can take on the personality of your smallest single engine, fixed gear trainer or your most sophisticated twin with flight director and advanced avionics.

SIMULATOR PERFORMANCE

How can a single training device represent two very different aircraft? The answer is Frasca's exclusive Multiple Performance capability. One set of factory developed constants make the 142 handle and perform similar to a light twin engine aircraft. Eight additional modifiable templates are available to the user for development of any other single or twin engine aircraft.

In addition to developing a template for single engine handling and performance, you can add the Single Engine Conversion Kit for total realism. This optional kit comes with a quick change single engine throttle quadrant and fuel control panel. In addition, each kit includes two cover plates which remove the extra set of engine gauges and switches from view.

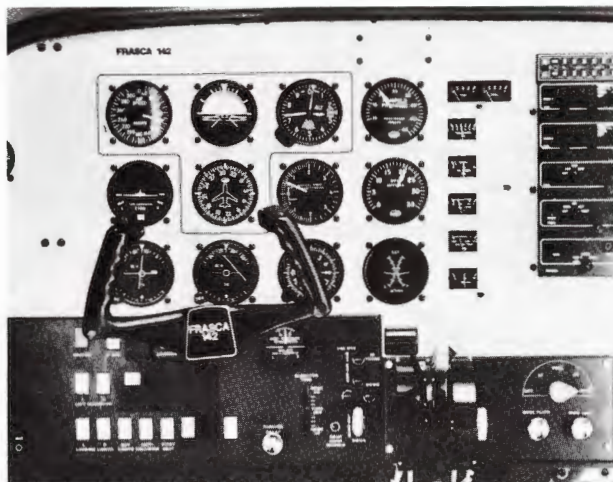
FLIGHT TRAINING

It is this kind of versatility that permits the 142 to support virtually all of the requirements for recip engine flight training. Single and multiengine procedures, performance, preflight, systems operation and troubleshooting, basic aircraft handling procedures, and instrument procedures. With the addition of an optional visual system extended training may be accomplished in ground referenced and other visual maneuvers, and in IFR/VFR transitions. With this kind of versatility, the 142 may be used for everything from Private Pilot training to preparation for the Airline Transport Pilot certificate.

SIMULATOR EQUIPMENT LIST

Standard on all Model 142 simulators is the following equipment:

- Magnetic compass
- Magnet switches
- Starter switch
- Mic & headphone jacks
- Battery master switch
- Load meters
- Avionics master switch
- Dual generator switches
- Pitot heat switch
- Dual boost pump switches
- NAV light switch
- Strobe light switch
- Landing light switch
- Fuel quantity indicators
- Fuel pressure indicators
- Fuel primer switches
- Oil pressure indicators
- Oil temperature indicators
- Cylinder head temp indicators
- Airspeed indicator
- Altitude indicator
- Altimeter
- Turn & slip indicator
- Heading indicator
- Vertical velocity indicator
- DME



Frasca Model 142 with optional Single Engine Conversion kit installed

- ADF single needle indicator
- NAV 1 CDI with glideslope
- NAV 2 CDI
- Dual manifold pressure gauge
- Dual engine tachometer
- Dual EGT indicator
- Clock
- KMA 24 audio control panel
- Com 1 transceiver
- Com 2 transceiver
- NAV 1 receiver
- NAV 2 receiver
- ADF receiver
- Transponder
- Altitude encoder
- Elevator trim indicator
- Electric elevator trim
- Rudder trim
- Aileron trim
- Alternate air controls
- Throttles
- Propeller controls
- Mixture controls
- Carb heat controls
- Landing gear control
- Landing gear position lights
- Gear horn silence button
- Flap control and indicator
- Fuel selectors & crossfeed
- Cowl flap control
- Parking brake control
- Control yoke
- Rudder pedals & toe brakes
- Hobbs meter

POWER REQUIREMENTS

110 VAC or 220 VAC at 60 or 50 Hz.
Total power consumption is less than 360 watts.

For further information see the following product information sheets:

140/240 Simulators
140/240 Options
Bendix/King Avionics Options
Visual System

**Leaders
in cost-effective
simulation.**